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United States Patent [19]**Podos et al.**[11] **Patent Number:** **6,037,368**[45] **Date of Patent:** **Mar. 14, 2000**[54] **8-ISO- PROSTAGLANDINS FOR GLAUCOMA THERAPY**[75] **Inventors:** **Steven M. Podos**, Tenafly, N.J.;
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Bernard Becker, University City, Mo.[73] **Assignee:** **Mount Sinai School of Medicine**, New York, N.Y.[21] **Appl. No.:** **09/073,552**[22] **Filed:** **May 6, 1998****Related U.S. Application Data**

[63] Continuation of application No. 08/853,803, May 9, 1997, abandoned.

[51] **Int. Cl.⁷** **A61K 31/215**; A61K 31/19[52] **U.S. Cl.** **514/530**; 514/573; 514/913[58] **Field of Search** 514/530, 573, 514/913[56] **References Cited****U.S. PATENT DOCUMENTS**4,132,847 1/1979 Kuhla et al. .
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Primary Examiner—Zohreh Fay*Attorney, Agent, or Firm*—Bakerbotts LLP[57] **ABSTRACT**

The present invention relates to the use of 8-iso prostaglandins and their derivatives for decreasing intraocular pressure, for example in the treatment of glaucoma. It is based, at least in part, on the discovery that 8-iso prostaglandin E₂ effectively decreased intraocular pressure by a trabecular meshwork outflow mechanism.

21 Claims, No Drawings